



Certificate of Efficacy

Clean+Clear's WaterSolver™ water filters blocked 100% of bacteria, tested with water contaminated with 25,000 Colony Forming Units (CFU). The filters **reduced bacteria to zero**. The American Dental Association standard is 500 CFU.

Test Lab Summary

The Clean+Clear Ceramic Filter was tested for bacteriological removal capacity using 5 liters of inoculated distilled water. The water was inoculated with a live culture of E. coli (generic) of a known concentration. The water was then filtered through the apparatus and samples were taken at the beginning, middle and end. Typical growth was not recovered in the filtered water indicating that the filter was able to block passage of the bacteria during this trial.

Data

Initial Concentration of Inoculum: 1.26×10^8

Inoculum was diluted to 25,000 cfu/mL and placed in the apparatus. From the apparatus aseptic samples were pulled at the beginning of filtering, middle of filtering and end of filtering. The samples were then tested using methods from BAM Ch 4. **Recovery of the bacteria at levels 0.0% or a filtering percentage of 100% indicates that the filter provided blockage of the bacteria in this trial.**

Testing was performed on June 21, 2006 by:
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